

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model  
Run on: July 30, 2004, 09:45:13 ; Search time 22.8977 Seconds  
(without alignments)  
1025.858 Million cell updates/sec

Title: US-09-898-234B-2  
Perfect score: 2487  
Sequence: 1 MGLSTVPDLLPLVLELLV.....DIEELCGPAALPPAPSLLR 455

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA:  
1: /cgn2\_6/ptodata/2/iaa/5A\_COMB.pep.\*  
2: /cgn2\_6/ptodata/2/iaa/5B\_COMB.pep.\*  
3: /cgn2\_6/ptodata/2/iaa/6A\_COMB.pep.\*  
4: /cgn2\_6/ptodata/2/iaa/6B\_COMB.pep.\*  
5: /cgn2\_6/ptodata/2/iaa/PCTUS\_COMB.pep.\*  
6: /cgn2\_6/ptodata/2/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	2487	100.0	455	1 US-08-321-668-2	Sequence 2, Appli
2	2487	100.0	455	1 US-08-837-941-2	Sequence 2, Appli
3	2487	100.0	455	2 US-08-126-016-2	Sequence 2, Appli
4	2487	100.0	455	3 US-08-815-469-5	Sequence 5, Appli
5	2487	100.0	455	3 US-09-006-353A-3	Sequence 3, Appli
6	2487	100.0	455	4 US-09-527-236A-5	Sequence 5, Appli
7	2487	100.0	455	4 US-08-054-970-2	Sequence 2, Appli
8	2487	100.0	455	4 US-09-565-918-4	Sequence 4, Appli
9	2487	100.0	455	4 US-09-573-986-3	Sequence 3, Appli
10	2487	100.0	455	4 US-09-027-287-3	Sequence 3, Appli
11	2487	100.0	455	4 US-09-252-656B-3	Sequence 3, Appli
12	2487	100.0	455	4 US-09-523-323-3	Sequence 3, Appli
13	2487	100.0	455	4 US-09-756-854-5	Sequence 5, Appli
14	2482	99.8	455	1 US-08-050-319B-25	Sequence 25, Appli
15	2482	99.8	455	2 US-08-465-982-25	Sequence 25, Appli
16	2481	99.8	455	4 US-08-406-824A-4	Sequence 4, Appli
17	2463.5	99.1	909	4 US-09-013-895A-4	Sequence 4, Appli
18	2463.5	99.1	909	4 US-09-448-868-4	Sequence 4, Appli
19	2457	98.8	453	3 US-09-086-483A-5	Sequence 5, Appli
20	2457	98.8	453	4 US-09-580-212-5	Sequence 5, Appli
21	2457	98.8	453	4 US-09-769-402-5	Sequence 5, Appli
22	2346	94.3	426	4 US-08-747-562-37	Sequence 37, Appli
23	1558	62.6	280	3 US-08-974-022-46	Sequence 46, Appli
24	1558	62.6	280	3 US-08-795-445A-46	Sequence 46, Appli
25	1558	62.6	280	3 US-08-795-447A-46	Sequence 46, Appli
26	1558	62.6	280	3 US-08-974-186-46	Sequence 46, Appli
27	1558	62.6	280	3 US-08-795-446B-46	Sequence 46, Appli

28	1558	62.6	280	4 US-08-706-945D-132	Sequence 132, App
29	1558	62.6	280	4 US-08-577-788C-46	Sequence 46, Appl
30	1517	61.0	471	4 US-09-513-007-2	Sequence 2, Appli
31	1124	45.2	199	1 US-08-050-319B-48	Sequence 48, Appl
32	1124	45.2	199	2 US-08-465-982-48	Sequence 48, Appl
33	1121	45.1	197	4 US-08-828-683A-21	Sequence 21, Appl
34	1005.5	40.4	336	3 US-08-804-166-8	Sequence 8, Appli
35	1005.5	40.4	336	3 US-08-910-991-8	Sequence 8, Appli
36	1005.5	40.4	336	4 US-09-756-186-8	Sequence 8, Appli
37	979	39.4	285	3 US-08-804-166-6	Sequence 6, Appli
38	979	39.4	285	3 US-08-910-991-6	Sequence 6, Appli
39	979	39.4	285	4 US-09-756-186-6	Sequence 6, Appli
40	946	38.0	167	1 US-08-050-319B-2	Sequence 2, Appli
41	946	38.0	167	1 US-08-050-319B-57	Sequence 57, Appl
42	946	38.0	167	2 US-08-465-982-2	Sequence 2, Appli
43	946	38.0	167	2 US-08-465-982-57	Sequence 57, Appl
44	941	37.8	161	4 US-09-326-394-2	Sequence 2, Appli
45	904	36.3	154	4 US-08-828-683A-12	Sequence 12, Appl

ALIGNMENTS

RESULT 1  
US-08-321-668-2  
; Sequence 2, Application US/08321668  
; Patent No. 5665859  
; GENERAL INFORMATION:  
; APPLICANT: WALLACH, David  
; APPLICANT: BRAKEBUSCH, Cord  
; APPLICANT: VARFOLOMEYEV, Eugene  
; APPLICANT: BATKIN, Michael  
; TITLE OF INVENTION: MOLECULES INFLUENCING THE SHEDDING OF  
; TITLE OF INVENTION: THE TNF RECEPTORS, THEIR PREPARATION AND THEIR USE  
; NUMBER OF SEQUENCES: 42  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BROWDY AND NEIMARK  
; STREET: 419 Seventh Street, N.W., Suite 300  
; CITY: Washington  
; STATE: D.C.  
; COUNTRY: USA  
; ZIP: 20004

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/321.668  
FILING DATE: 12-OCT-1994  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: IL 107268  
FILING DATE: 12-OCT-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: BROWDY, Roger L.  
REGISTRATION NUMBER: 25,618  
REFERENCE/DOCKET NUMBER: WALLACH-13  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202-628-5197  
TELEFAX: 202-737-3528  
TELEX: 248633  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 455 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-321-668-2

Query Match 100.0%; Score 2487; DB 1; Length 455;  
Best Local Similarity 100.0%; Pred. No. 1.1e-202;  
Matches 455; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGLSTVPDLLPLVLLVGLVPSGVLVPHLGDREKRDVCPQKQYIHPQNNISICT 60  
Db 1 MGLSTVPDLLPLVLLVGLVPSGVLVPHLGDREKRDVCPQKQYIHPQNNISICT 60  
QY 61 KCHKGTLYNDPCPGQDTCRECESGSFTASENHLRHCLSCSKCKEMGQVEISSCTVD 120  
Db 61 KCHKGTLYNDPCPGQDTCRECESGSFTASENHLRHCLSCSKCKEMGQVEISSCTVD 120  
QY 121 RDTVCGCRKQYRHYWSENLFQCFNCSLCLNGTVHLSQEKQNTVCTCHAGFFLRENECV 180  
Db 121 RDTVCGCRKQYRHYWSENLFQCFNCSLCLNGTVHLSQEKQNTVCTCHAGFFLRENECV 180  
QY 181 SCSNCKKSLECTKLCPLQIENVKGTEDSGTTVLLPLVIFFGCLLSLLFGLMYRYQRWK 240  
Db 181 SCSNCKKSLECTKLCPLQIENVKGTEDSGTTVLLPLVIFFGCLLSLLFGLMYRYQRWK 240  
QY 241 SKLYSIVCGKSTPEKEGELETTTKPLAPNPSFPTPGFTPLGFSVPSSSTFTSSSTYT 300  
Db 241 SKLYSIVCGKSTPEKEGELETTTKPLAPNPSFPTPGFTPLGFSVPSSSTFTSSSTYT 300  
QY 301 PGDCPNFAAPRREVAPPYQAGADPILATALASDPIPNPQKWDSSAHKQPSLDDPATLY 360  
Db 301 PGDCPNFAAPRREVAPPYQAGADPILATALASDPIPNPQKWDSSAHKQPSLDDPATLY 360  
QY 361 AVVENVPPLRWKEFVRRLGLSDHEIDRLQNGRCLREAOYSMLATWRRRTPRREATLEL 420  
Db 361 AVVENVPPLRWKEFVRRLGLSDHEIDRLQNGRCLREAOYSMLATWRRRTPRREATLEL 420  
QY 421 LGRVLRDMDLLGCLIEDIEEALCGPAALPPAPSLR 455  
Db 421 LGRVLRDMDLLGCLIEDIEEALCGPAALPPAPSLR 455

RESULT 2

US-08-837-941-2  
; Sequence 2, Application US/08837941  
; Patent No. 5766917  
; GENERAL INFORMATION:  
; APPLICANT: WALLACH, David  
; APPLICANT: BRAKEBUSCH, Cord  
; APPLICANT: VARFOLOMEY, Eugene  
; APPLICANT: BATKIN, Michael  
; TITLE OF INVENTION: MOLECULES INFLUENCING THE SHEDDING OF  
; TITLE OF INVENTION: THE TNF RECEPTORS, THEIR PREPARATION AND THEIR USE  
; NUMBER OF SEQUENCES: 42  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BROWDY AND NEIMARK  
; STREET: 419 Seventh Street, N.W., Suite 300  
; CITY: Washington  
; STATE: D.C.  
; COUNTRY: USA  
; ZIP: 20004  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/837,941  
; FILING DATE: 28-APR-1997  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/321,668  
; FILING DATE: 12-OCT-1994  
; APPLICATION NUMBER: IL 107268  
; FILING DATE: 12-OCT-1993  
; ATTORNEY/AGENT INFORMATION:  
; NAME: BROWDY, Roger L.  
; REGISTRATION NUMBER: 25,618  
; REFERENCE/DOCKET NUMBER: WALLACH-13  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 202-628-5197

TELEFAX: 202-737-3528

TELEX: 248633

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 455 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-837-941-2

Query Match

Best Local Similarity 100.0%; Score 2487; DB 1; Length 455;

Matches 455; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGLSTVPDLLPLVLLVGLVPSGVLVPHLGDREKRDVCPQKQYIHPQNNISICT 60  
Db 1 MGLSTVPDLLPLVLLVGLVPSGVLVPHLGDREKRDVCPQKQYIHPQNNISICT 60  
QY 61 KCHKGTLYNDPCPGQDTCRECESGSFTASENHLRHCLSCSKCKEMGQVEISSCTVD 120  
Db 61 KCHKGTLYNDPCPGQDTCRECESGSFTASENHLRHCLSCSKCKEMGQVEISSCTVD 120  
QY 121 RDTVCGCRKQYRHYWSENLFQCFNCSLCLNGTVHLSQEKQNTVCTCHAGFFLRENECV 180  
Db 121 RDTVCGCRKQYRHYWSENLFQCFNCSLCLNGTVHLSQEKQNTVCTCHAGFFLRENECV 180  
QY 181 SCSNCKKSLECTKLCPLQIENVKGTEDSGTTVLLPLVIFFGCLLSLLFGLMYRYQRWK 240  
Db 181 SCSNCKKSLECTKLCPLQIENVKGTEDSGTTVLLPLVIFFGCLLSLLFGLMYRYQRWK 240  
QY 241 SKLYSIVCGKSTPEKEGELETTTKPLAPNPSFPTPGFTPLGFSVPSSSTFTSSSTYT 300  
Db 241 SKLYSIVCGKSTPEKEGELETTTKPLAPNPSFPTPGFTPLGFSVPSSSTFTSSSTYT 300  
QY 301 PGDCPNFAAPRREVAPPYQAGADPILATALASDPIPNPQKWDSSAHKQPSLDDPATLY 360  
Db 301 PGDCPNFAAPRREVAPPYQAGADPILATALASDPIPNPQKWDSSAHKQPSLDDPATLY 360  
QY 361 AVVENVPPLRWKEFVRRLGLSDHEIDRLQNGRCLREAOYSMLATWRRRTPRREATLEL 420  
Db 361 AVVENVPPLRWKEFVRRLGLSDHEIDRLQNGRCLREAOYSMLATWRRRTPRREATLEL 420  
QY 421 LGRVLRDMDLLGCLIEDIEEALCGPAALPPAPSLR 455  
Db 421 LGRVLRDMDLLGCLIEDIEEALCGPAALPPAPSLR 455

RESULT 3

US-08-126-016-2  
; Sequence 2, Application US/08126016  
; Patent No. 5811261  
; GENERAL INFORMATION:  
; APPLICANT: WALLACH, DAVID  
; APPLICANT: NOPHAR, YARON  
; APPLICANT: KEMPER, OLIVER  
; APPLICANT: ENGELMANN, HARTMUT  
; APPLICANT: BRAKEBUSCH, CORD  
; APPLICANT: ADERKA, DAN  
; TITLE OF INVENTION: EXPRESSION OF THE RECOMBINANT TUMOR  
; TITLE OF INVENTION: NECROSIS FACTOR BINDING PROTEIN I (TBP-1)  
; NUMBER OF SEQUENCES: 26  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Browdy and Neimark  
; STREET: 419 Seventh Street, N.W., Suite 300  
; CITY: Washington  
; STATE: DC  
; COUNTRY: USA  
; ZIP: 20004  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25